



Substitute for Form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 1 of 1

Application # 10/591,947 Confirmation # 8009 Filing Date September 8, 2006 First Inventor YUASA Art Unit 2892 Examiner Alonso Chambliss Docket # HIRA.0236
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### U.S. PATENT DOCUMENTS

Exam. Initial*	Document No. Number – Kind Code	Publ. Date MM-DD-YYYY	Name Patentee or Applicant	Relevance Passages/Figs.

### FOREIGN PATENT DOCUMENTS

Exam. Initial*	Country-Number- Kind Code If known	Publ. Date MM-DD- YYYY	Name Patentee or Applicant	Relevance Passages/Fi gs.	Translation
	JP 11-097766	4/9/1999	Res Inst Electric Magnetic Alloys		Abstract & ¶22 & 23

### NON PATENT LITERATURE DOCUMENTS

Exam. Initial*	Include NAME of the author (in CAPS), Title of Article/Item, Date, Page(s), Volume-Issue No., Publisher, City and/or Country where published	Translation
	F. ERNULT et al., "Preparation of Nanometer-Scale Iron Dots on Insulating Layer", Science and Technology of Advanced Materials, Vol. 4, (2003), pp. 383-389	Yes
	DAVID J. SMITH et al., "Structural Characterization of Thin Film Ferromagnetic Tunnel Junctions", Journal of Applied Physics, Vol. 83, No. 10, 15 May 1998, pp. 5154-5158	Yes
	X. W. LI et al., "Fabrication and Properties of Heteroepitaxial Magnetite ( $Fe_3O_4$ ) Tunnel Junctions", Applied Physics Letters, Vol. 73, No. 22, 30 November 1998, pp.3282-3284	Yes
	C. L. PLATT, et al., "Spin Polarized Tunneling in Reactively Sputtered Tunnel Junctions", Journal of Applied Physics, Vol. 81, No. 8, 15 April 1997, pp. 5523-5525	Yes
	P. TURBAN et al., "Growth and Characterization of Single Crystalline NiMnSb Thin Films and Epitaxial NiMnSb/MgO/NiMnSb(001) Trilayers", 2002 The American Physical Society, Physical Review B., Vol. 65, pp. 134417-1 to 134417-13	Yes
	T. MORIYAMA et al., "Preparation and Magnetoresistance in Single-Crystal and Polycrystal Fe/MgO/FeCo Tunnel Junctions", The Physical Society of Japan, 2003 Spring meeting, Abstracts Book 58(1-3), 460, (2003-03-06)	Yes
	JAGADEESH S. MOODERA et al., "Ferromagnetic-Insulator-Ferromagnetic Tunneling: Spin-Dependent Tunneling and Large Magnetoresistance in Trilayer Junctions (Invited)", Journal of Applied Physics, Vol. 79, No. 8, 15 April 1996, pp. 4724-4729	Yes
	MASAYOSHI TONOUCHI et al., "Epitaxial Growth of NbN on an Ultrathin MgO/Semiconductor System", Journal of Applied Physics, Vol. 62, No. 3, 1 August 1987, pp. 961-966	Yes
Examiner Signature	Date Considered	

\* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.